

Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

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***ZP-1 Expansion
Construction***



KR-4 Expansion Road Crossing

Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of April 2008.

Notable Accomplishments

- **River Corridor**
 - Submitted performance incentive letter of completion for original 18 wells for 100-KR-4 expansion (four replacement injection wells remain to be drilled).
 - Accepted two 100-DR-4 characterization wells.
 - Continued construction of 100-KR-4 pump and treat expansion.
 - Received regulator approval on well locations for 100-KR-4 replacement injection wells and for the 100-KW characterization wells.
- **Central Plateau**
 - Issued Request for Proposal for Soil Vapor Extraction (SVE) replacement system for 200-PW-1 Operable Unit (aka 200-ZP-2).
 - Completed three groundwater characterization wells in eastern portion of 200-ZP-1; initiated drilling on fourth well.
 - Restarted seasonal soil vapor extraction operations for 200-PW-1 (a.k.a. 200-ZP-2).
- **Integration**
 - Initiated well decommissioning; 14 wells decommissioned fiscal year-to-date.
 - Completed 50 percent of baseline wells to be sampled (1202 of 2403 wells).
 - Transmitted the RCRA semi-annual reports to regulators and RL for 183-H and 300 Area Process Trenches.
 - Transmitted the draft RCRA quarterly report to regulators and RL for review.

FY 2008 Funds vs. Spend Forecast (\$M)

	Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
Soil and Water Remediation, Groundwater/ Vadose Zone	\$ 115.3	\$ 113.5	\$ 1.9

Schedule/Cost Performance (\$M)

Soil & Water Remediation, Groundwater/Vadose Zone	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY08/CTD)
Current Period (Month)	\$8.0	\$8.7	\$8.7	\$0.7	8.9%	\$0.0	-0.4%	\$102.6
Cumulative-to-Date (FY 2004-Present)	\$262.8	\$252.8	\$252.1	-\$10.0	-3.8%	\$0.7	0.3%	\$311.2

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

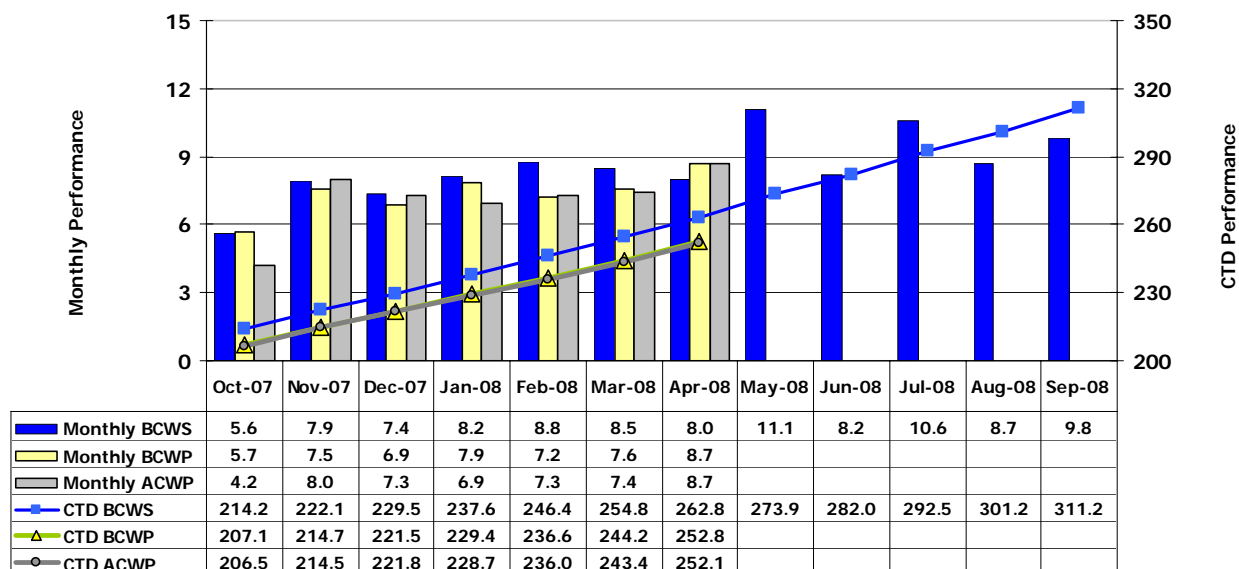
CTD Schedule Performance (-\$10.0M/-3.8%):

- The CTD schedule variance is primarily due to:
 - Delayed siting of four M-24 wells; planning delays for well decommissioning with resultant field work delays.
 - Delayed contract placement for Groundwater/Vadose Zone Integration.
 - Delayed start for 100-KR-4 construction due to expanded scope.
 - Delayed sampling of 200-BP-5 wells due to drilling delays.
 - Delayed start of 200-ZP-1 pump and treat expansion and final remedy pre-conceptual design.

CTD Cost Performance (+\$0.7M/+0.3%):

- The CTD cost variance is attributable to underruns associated with the Closure Services allocation.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-013-06B	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	TPA	3/31/07	3/30/07		Complete
M-016-14A	Complete Construction of a 300 foot Permeable Reactive Barrier Utilizing Apatite Sequestration at 100-N	TPA	5/31/07	3/25/07		Complete
M-015-48B	Submit the 200-ZP-1 OU Feasibility Study Report / Proposed Plan to EPA	TPA	9/30/07	9/13/07		Complete
M-013-10A	Submit the 200-PO-1 OU Remedial Investigation/Feasibility Study to Ecology	TPA	9/30/07	8/22/07		Complete
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/31/07	4/6/07		Complete
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/07	12/22/07		Complete
M-016-14B	Submit Draft CERCLA Proposed Plan for 100-NR-2	TPA	12/31/09		12/31/09	TPA Change Request Revised Date to 12/31/09